Z9i Dual Mic Bluetooth Headset
Firmware Upgrade

1. Preparing for the upgrade

- First shutdown any bluetooth software running on the computer.
- Remove any Bluetooth USB dongle or disable internal Bluetooth if your PC has it.
- The below instructions may differ slightly depending on the Bluetooth software you have on your PC. If you are running Toshiba or Widcomm software you will need to update the driver temporarily to the 'CSR BlueCore' software to do the upgrade, and then change it back when the upgrade is complete.
- Print out these instructions to make following the upgrade process easier.

- If at any stage you get a window saying, this is not 'Microsoft Certified', click 'Continue Anyway'.
- If at any stage the Upgrade program says that a file is needed to continue the installation, it can be located in the 'BlueAnt_Z9i_V1_1_firmware_update' folder whevever you have placed it. Select 'Browse' and point the directory window to the 'BlueAnt_Z9i_V1_1_firmware_update' folder.
- If at any stage your PC's firewall notifies you of a change to your system settings, 'allow' the change or the Z9i Upgrade will not continue.

- Unzip the downloaded file 'BlueAnt_Z9i_V1_1_firmware_update.zip'. We recommend you unzip it to your desktop or a place on your PC that is easily accessable.

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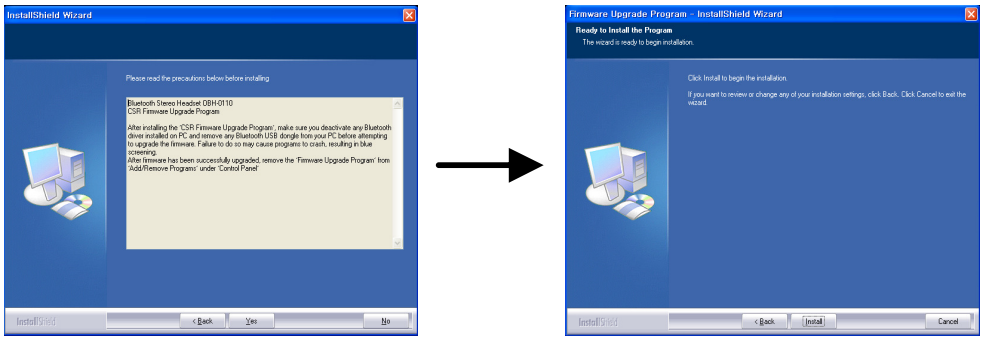
2. Installing the Upgrade Software to the PC

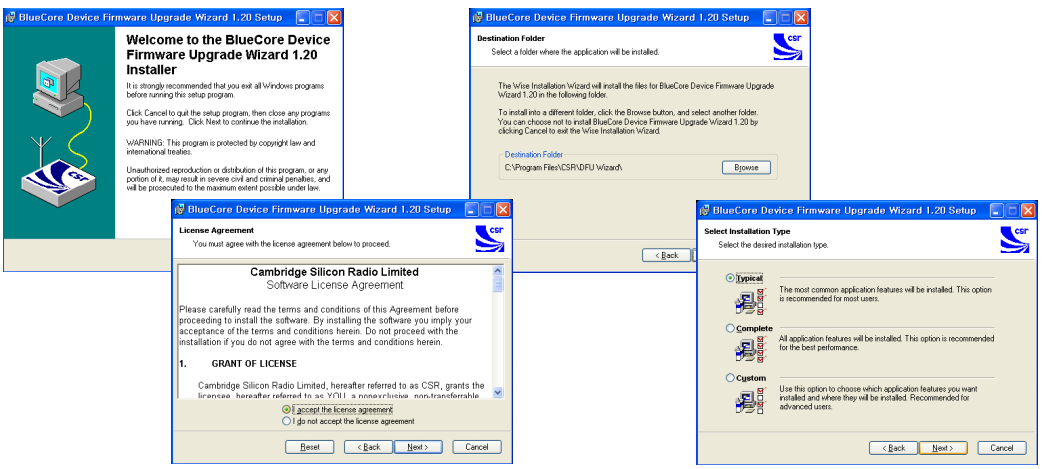
2.1) To install the DFUWizard upgrade program, open the 'BlueAnt_Z9i_V1_1_firmware_update' folder from where you unzipped it to. Next, double click DFUSetup.exe.

Click 'Yes' and on the next screen, click Install.

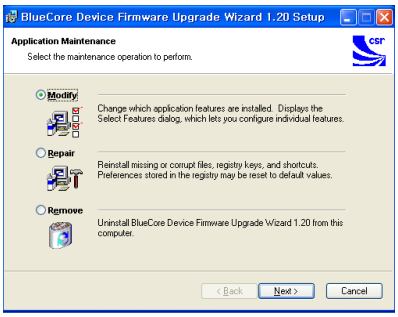

InstallShield Wizard
Please read the precautions below before installing
Bluetooth Stereo Headset DBH-0110
CSR Firmware Upgrade Program
After installing the 'CSR Firmware Upgrade Program', make sure you deactivate any Bluetooth driver installed on PC and remove any Bluetooth USB dongle from your PC before attempting to upgrade the firmware. Failure to do so may cause programs to crash, resulting in blue screening.
After firmware has been successfully upgraded, remove the 'Firmware Upgrade Program' from 'Add/Remove Programs' under 'Control Panel'
< Back
Yes
No
Firmware Upgrade Program - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
< Back
Install
Cancel

2.2) The following screen will be displayed.

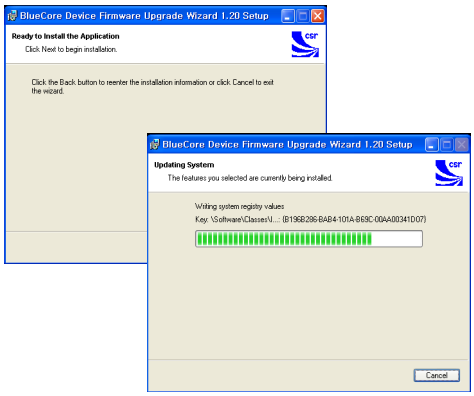
Click 'Next'. Select 'I accept the license agreement' and click 'Next'….
Click 'Next' to install into the Destination Folder… Select 'Typical' and then again click 'Next'


BlueCore Device Firmware Upgrade Wizard 1.20 Setup
Welcome to the BlueCore Device Firmware Upgrade Wizard 1.20 Installer
It is strongly recommended that you exit all Windows programs before running this setup program.
Click Cancel to quit the setup program, then close any programs you have running. Click Next to continue the installation.
WARNING: This program is protected by copyright law and international treaties.
Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.
BlueCore Device Firmware Upgrade Wizard 1.20 Setup
Destination Folder
Select a folder where the application will be installed.
The Wise Installation Wizard will install the files for BlueCore Device Firmware Upgrade Wizard 1.20 in the following folder.
To install into a different folder, click the Browse button, and select another folder.
You can choose not to install BlueCore Device Firmware Upgrade Wizard 1.20 by clicking Cancel to exit the Wise Installation Wizard.
Destination Folder
C:\Program Files\CSR\DFU Wizard\
Browse
< Back
BlueCore Device Firmware Upgrade Wizard 1.20 Setup
License Agreement
You must agree with the license agreement below to proceed.
Cambridge Silicon Radio Limited
Software License Agreement
Please carefully read the terms and conditions of this Agreement before proceeding to install the software. By installing the software you imply your acceptance of the terms and conditions herein. Do not proceed with the installation if you do not agree with the terms and conditions herein.
1. GRANT OF LICENSE
Cambridge Silicon Radio Limited, hereafter referred to as CSR, grants the
I accept the license agreement
I do not accept the license agreement
Reset
< Back
Next >
Cancel
BlueCore Device Firmware Upgrade Wizard 1.20 Setup
Select Installation Type
Select the desired installation type.
Typical
The most common application features will be installed. This option is recommended for most users.
Complete
All application features will be installed. This option is recommended for the best performance.
Custom
Use this option to choose which application features you want installed and where they will be installed. Recommended for advanced users.
< Back
Next >
Cancel

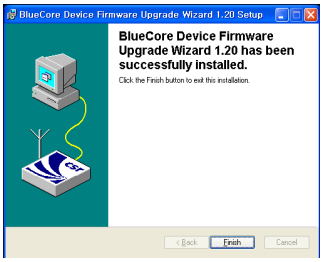
2.3) If you see the screen below it means your computer already has the driver file installed. You can either cancel the installation or select 'Remove' then install again.

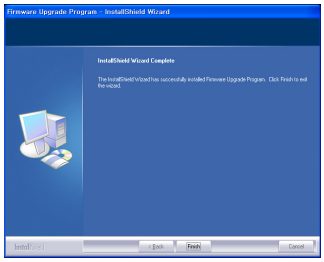

BlueCore Device Firmware Upgrade Wizard 1.20 Setup
Application Maintenance
Select the maintenance operation to perform.
Modify
Change which application features are installed. Displays the Select Features dialog, which lets you configure individual features.
Repair
Reinstall missing or corrupt files, registry keys, and shortcuts. Preferences stored in the registry may be reset to default values.
Remove
Uninstall BlueCore Device Firmware Upgrade Wizard 1.20 from this computer.
< Back
Next >
Cancel

2.4) Click 'Next' to begin the installation. Wait while the system is being updated.


BlueCore Device Firmware Upgrade Wizard 1.20 Setup
Ready to Install the Application
Click Next to begin installation.
Click the Back button to reenter the installation information or click Cancel to exit the wizard.
BlueCore Device Firmware Upgrade Wizard 1.20 Setup
Updating System
The features you selected are currently being installed.
Writing system registry values
Cancel

2.5) Click 'Finish' if you see the screen below and click 'Finish' again to close the Wizard.


BlueCore Device Firmware Upgrade Wizard 1.20 Setup
BlueCore Device Firmware Upgrade Wizard 1.20 has been successfully installed.
Click the Finish button to exit this installation.
< Back
Finish
Cancel



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3. Upgrading the Z9i Headset firmware

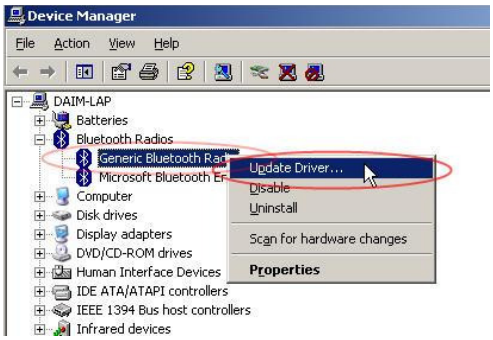
3.1) Click on the Windows Start button
Right click 'My Computer' and select 'Properties' → 'Hardware' → 'Device Manager'. Scroll down to Universal Serial Bus Controllers and click the '+' to view the devices.

Keep this Device Manager window open throughout the following processes so you can monitor device activity.

Universal Serial Bus controllers
Intel(R) 82801CA/CAM USB Universal Host Controller - 2482
Intel(R) 82801CA/CAM USB Universal Host Controller - 2484
Intel(R) 82801CA/CAM USB Universal Host Controller - 2487
USB Root Hub
USB Root Hub
USB Root Hub

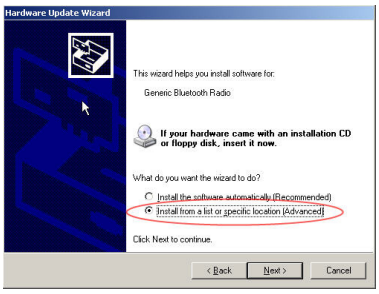
3.2) Next, plug the supplied USB cable into your PC. Press and Hold 'VOL UP' button on the Z9i, and while holding the button, plug the mini-USB end of the usb cable into the Z9i's usb port.
Look in the 'Device Manager'. After a few seconds 'BlueAnt Z9i in DFU mode' will appear under 'Universal Serial Bus Controllers' as shown below. When you see it, let go of the two buttons. If it does not appear go to point 3.3.a). If it appears as below go to point 4).

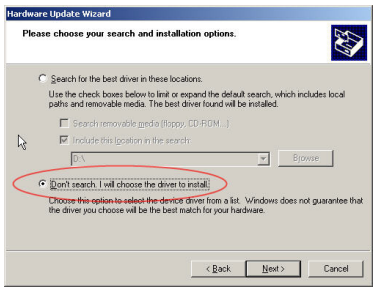
3.3.a) You are here because ‘BlueAnt Z9i in DFU mode’ did not appear under ‘USB Controllers’ when plugging your Z9i into the PC. If you are using Windows XP SP2, Toshiba or Widcomm software then you may see ‘Bluetooth Radios’ or ‘Bluetooth USB’ in the Device Manager. Click the ‘+’ to veiw the devices. Right click ‘Generic Bluetooth Radios’ (or Toshiba or Widcomm) and select ‘Update Driver’.



3.3.b) The ‘Hardware Update Wizard’ will pop up .
Select ‘No, not this time’ and click Next. In the next window select ‘Install from a list…’ and click ‘Next’.
In the next window select ‘Don’t search…’ and click ‘Next’.

Hardware Update Wizard
Welcome to the Hardware Update Wizard
Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission).
Read our privacy policy
Can Windows connect to Windows Update to search for software?
Yes, this time only
Yes, now and every time I connect a device
No, not this time
Click Next to continue.
< Back
Next >
Cancel


Hardware Update Wizard
This wizard helps you install software for:
Generic Bluetooth Radio
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

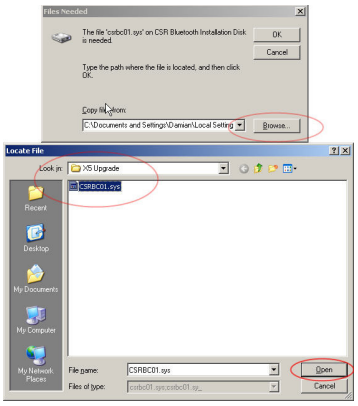

Hardware Update Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM...)
Include this location in the search:
Browse
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< Back
Next >
Cancel

3.3.c) Select ‘BlueAnt Z9i in DFU mode’ and click ‘Next’. Wait for the system files to be installed and click ‘Finish’.
Unplug the USB cable and go back to point 3.2) If your PC asks you to locate a file go to 3.3.d).

3.3.d) If your PC asks you to locate a file called ‘CSRBC01.sys’, Select Browse and direct it to the ‘BlueAnt_Z9i_V1_1_firmware_update’ folder.

Select ‘CSRBC01.sys’, Click ‘Open’ and ‘OK’.

Unplug the USB cable and go back to point 3.2)



Found New Hardware Wizard
Select the device driver you want to install for this hardware.
Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.
Show compatible hardware
Model
BlueAnt Z9i in DFU mode
CSR BlueCore in DFU mode
This driver is not digitally signed!
Tell me why driver signing is important
Have Disk...
< Back
Next >
Cancel

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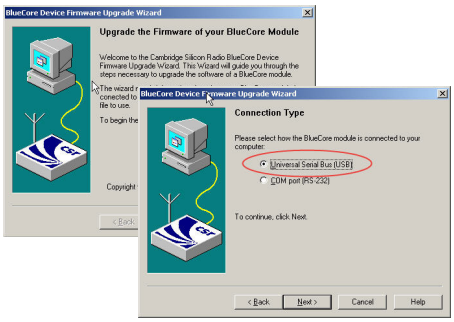
4) From desktop, click Start → Program → CSR DFU Wizard → BlueCore Device Firmware Upgrade Wizard.

5) A Welcome Screen appears. Click ‘Next’. Select ‘Universal Serial Bus (USB)’ and Click ‘Next’


BlueCore Device Firmware Upgrade Wizard
Upgrade the Firmware of your BlueCore Module
Welcome to the Cambridge Silicon Radio BlueCore Device Firmware Upgrade Wizard. This Wizard will guide you through the steps necessary to upgrade the software of a BlueCore module.
To begin the
Copyright
BlueCore Device Firmware Upgrade Wizard
Connection Type
Please select how the BlueCore module is connected to your computer:
Universal Serial Bus (USB)
COM port (RS-232)
To continue, click Next.
< Back
Next >
Cancel
Help

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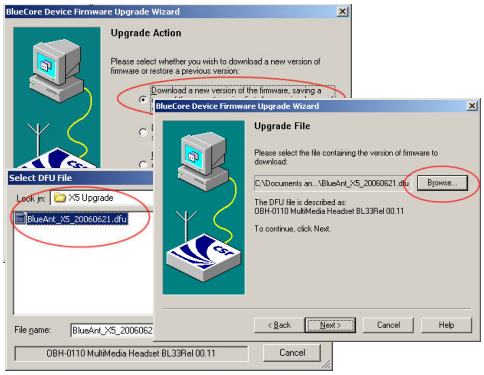
6) Upgrade Action. Select the first option and click ‘Next’. Click Browse to go to the ‘BlueAnt_Z9i_V1_1_firmware_update’ folder.

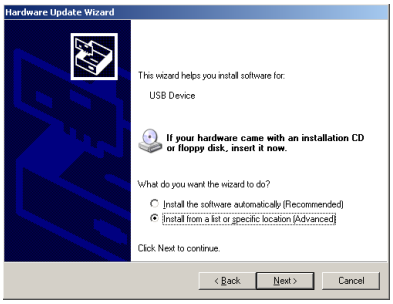
Select ‘BlueAnt_Z9i_V1_1.dfu’ firmware (or newer), and click ‘Select’.

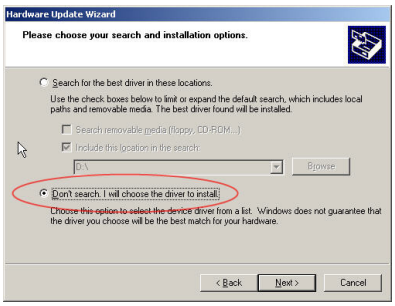
Click ‘Next’, and again to start upgrading!


BlueCore Device Firmware Upgrade Wizard
Upgrade Action
Please select whether you wish to download a new version of firmware or restore a previous version:
Download a new version of the firmware, saving a
Select DFU File
Look in:
X5 Upgrade
BlueAnt_X5_20060621.dfu
File name:
BlueAnt_X5_2006062
OBH-0110 MultiMedia Headset BL33Rel 00.11
Cancel
BlueCore Device Firmware Upgrade Wizard
Upgrade File
Please select the file containing the version of firmware to download:
C:\Documents an...\BlueAnt_X5_20060621.dfu
Browse...
The DFU file is described as:
OBH-0110 MultiMedia Headset BL33Rel 00.11
To continue, click Next.
< Back
Next >
Cancel
Help

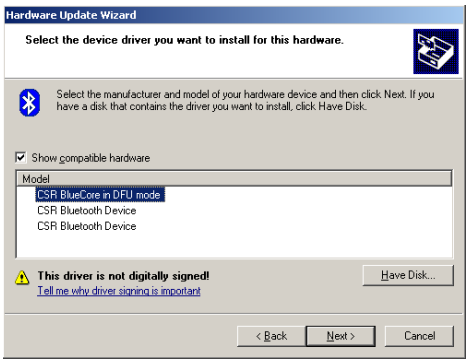
7) Your Bluetooth device will change to ‘BlueAnt Z9i in DFU mode’ (see Device Manager).
If successful, the upgrade will proceed. Go to point 10)
If not the ‘Hardware Update Wizard’ will pop up. Select ‘No, not this time’ and click ‘Next’. In the next window select ‘Install from a list’ and click ‘Next’. In the next window select ‘Don’t search’ and click ‘Next’.

Hardware Update Wizard
Welcome to the Hardware Update Wizard
Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission).
Read our privacy policy
Can Windows connect to Windows Update to search for software?
Yes, this time only
Yes, now and every time I connect a device
No, not this time
Click Next to continue.
< Back
Next >
Cancel


Hardware Update Wizard
This wizard helps you install software for:
USB Device
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

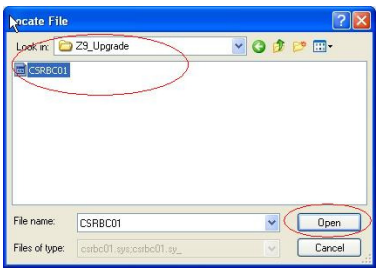

Hardware Update Wizard
Please choose your search and installation options.
Search for the best driver in these locations:
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM...)
Include this location in the search:
Browse
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< Back
Next >
Cancel

8.) Select ‘CSR BlueCore in DFU mode’ and click ‘Next’

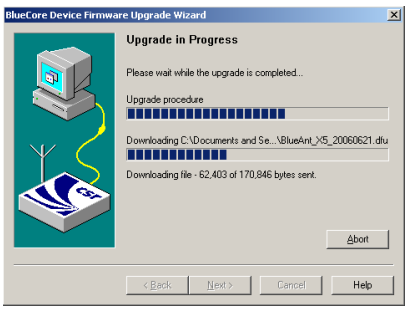

Hardware Update Wizard
Select the device driver you want to install for this hardware.
Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.
Show compatible hardware
Model
CSR BlueCore in DFU mode
CSR Bluetooth Device
CSR Bluetooth Device
This driver is not digitally signed!
Tell me why driver signing is important
Have Disk...
< Back
Next >
Cancel

9.) If your PC asks you to locate a file called ‘CSRBC01.sys’ or ‘CSRBC01.ini’, select Browse and direct it to the ‘BlueAnt_Z9i_V1_1_firmware_update’ folder.
Select ‘Open’ and ‘OK’.

Files Needed
The file 'csrbc01.sys' on CSR Bluetooth Installation Disk is needed.
OK
Cancel
Type the path where the file is located, and then click OK.
Copy files from:
C:\Documents and Settings\Test Machine\Desktop
Browse...



10) The following screen will be displayed. Wait for the upgrading to be completed.



11) When done, click Finish to close the program. Unplug your Z9i and you are ready to go!

BlueCore Device Firmware Upgrade Wizard
Successful Upgrade
The firmware of your BlueCore module was successfully upgraded using C:\Documents and Settings\Test Machine\Desktop\Z9 Firmware Upgrade\BMH290_V40_s3_full_20070702.dfu, and the new version appears to be operating correctly.
If you encounter problems using the BlueCore module then run this wizard again and select the option to restore the previous version of the firmware.
Time taken:
Upload 00 minutes 10 seconds
Download 01 minutes 21 seconds
The previous version of firmware is described as:
Change
< Back
Finish
Cancel
Help

If you need assistance with this process please contact the BlueAnt Customer Service Team.

Nth America
1-866-891-3032
www.myblueant.com

Australia
1300 669 049
www.blueant.com.au

New Zealand
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